

STN

10/7 90, 470

=> d his

(FILE 'HOME' ENTERED AT 11:07:12 ON 09 MAR 2005)

FILE 'REGISTRY' ENTERED AT 11:07:26 ON 09 MAR 2005
E RICINOLEIC ACID/CN

L1 1 S E3
E RECINOLEIC ACID/CN

FILE 'CA' ENTERED AT 11:18:16 ON 09 MAR 2005
S 141-22-0/REG#

L2 FILE 'REGISTRY' ENTERED AT 11:18:22 ON 09 MAR 2005
1 S 141-22-0/RN

L3 FILE 'CA' ENTERED AT 11:18:23 ON 09 MAR 2005
1927 S L2
L4 193 S L3 AND (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?)
L5 51 S L4 AND (DETERGENT# OR BUILDER# OR ENZYM? OR CELLULASE OR
PROT

FILE 'REGISTRY' ENTERED AT 11:44:44 ON 09 MAR 2005
E ZINC RICINOLEATE/CN
L6 1 S E3

FILE 'CA' ENTERED AT 11:45:20 ON 09 MAR 2005
S 13040-19-2/REG#

L7 FILE 'REGISTRY' ENTERED AT 11:45:38 ON 09 MAR 2005
1 S 13040-19-2/RN

FILE 'CA' ENTERED AT 11:45:38 ON 09 MAR 2005
L8 114 S L7
L9 25 S L8 AND (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?)
L10 89 S L8 NOT L9
L11 119 S (HYDROXY? OR POLYHYDROXY?) (3W) FATTY(W) ACID(P) (COAT? OR
ENCAPS
L12 19 S (HYDROXY? OR POLYHYDROXY?) (3W) FATTY(W) ACID(P) (SALT# OR
COBALT
L13 3 S (HYDROXY? OR POLYHYDROXY?) (3W) FATTY(W) ACID(P) (SALT# OR
COBALT
L14 40 S (HYDROXY? OR POLYHYDROXY?) (3W) FATTY(W) ACID(P) (SALT# OR
COBALT
L15 459 S (HYDROXYOLEIC OR HYDROXYSTEARIC OR HYDROXYPALMITIC OR
HYDROXY
L16 36 S L15 AND (DETERGENT# OR ENZYM? OR PROTEASE OR LIPASE OR
CELLUL

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=> s e3

L1 1 "RICINOLEIC ACID"/CN

=> d 1 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 141-22-0 REGISTRY

CN 9-Octadecenoic acid, 12-hydroxy-, (9Z,12R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-

CN **Ricinoleic acid (8CI)**

OTHER NAMES:

CN (R)-12-Hydroxyoleic acid

CN 12-D-Hydroxy-9-cis-octadecenoic acid

CN 12-Hydroxy-cis-9-octadecenoic acid

CN 12-Hydroxyoctadeca-9-enoic acid

CN Edenor Ri 90

CN Nouracid CS 80

CN NSC 281242

CN Ricinic acid

CN Ricinolic acid

FS STEREOSEARCH

DR 8040-35-5, 25607-48-1, 17026-54-9, 45260-83-1

MF C18 H34 O3

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,

BIOBUSINESS,

BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAPLUS document type: Book; Conference; Dissertation; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);

FORM (Formation, nonpreparative); OCCU (Occurrence); PREP

(Preparation);

PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES

(Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological

study); PREP (Preparation); PROC (Process); PRP (Properties); RACT

(Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU

(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);

RACT

(Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical

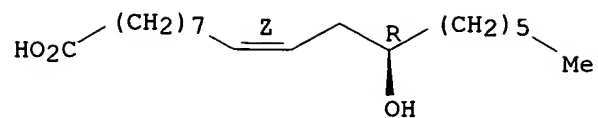
study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);

PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES

(Uses)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1927 REFERENCES IN FILE CA (1907 TO DATE)
 396 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1929 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

=> e recinoleic acid/cn

E1	1	RECIFON/CN
E2	1	RECININE/CN
E3	0 -->	RECINOLEIC ACID/CN
E4	1	RECINOLEIC ACID, LITHIUM SALT/CN
E5	1	RECIPAVRIN/CN
E6	1	RECIPAVRINE/CN
E7	1	RECIRELIN/CN
E8	1	RECJ (PASTEURELLA MULTOCIDA STRAIN IL1403 CLONE PM70 GENE
RE		CJ)/CN
E9	1	RECJ (STREPTOCOCCUS PYOGENES STRAIN MGAS10394)/CN
E10	1	RECJ EXONUCLEASE/CN
E11	1	RECJ EXONUCLEASE (BACILLUS LICHENIFORMIS STRAIN ATCC 14580
G		ENE RECJ)/CN
E12	1	RECJ EXONUCLEASE (HALOARCUA MARISMORTUI STRAIN ATCC 43049
G		ENE RECJ1)/CN

=>

=> d 18, 21, 24 15

L5 ANSWER 18 OF 51 CA COPYRIGHT 2005 ACS on STN
AN 124:347477 CA
TI Sodium **percarbonate** with **coatings** for good stability
and solubility
IN Sato, Kanji; Yoneyama, Shigeki; Yoshinaga, Yuichiro
PA Tokai Denka Kogyo Kabushiki Kaisha, Japan; Yoshinaga, Yuichiro
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 9606801	A1	19960307	WO 1995-JP1726	19950830
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9533543	A1	19960322	AU 1995-33543	19950830
PRAI	JP 1994-240481	A	19940830		
	WO 1995-JP1726	W	19950830		

L5 ANSWER 21 OF 51 CA COPYRIGHT 2005 ACS on STN
AN 123:147406 CA
TI Ester group-containing polyoxyethylene derivatives as antifoaming agents
for aqueous systems
IN Moeller, Thomas; Eicken, Ulrich; Fischer, Herbert; Wollenweber, Horst-W.;
Gress, Wolfgang; Haut, Christian; Mahler, Ulrich; Gorzinski, Manfred;
Sladek, Hans-Juergen
PA Henkel K.-G.a.A., Germany
SO Ger. Offen., 8 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 4331228	A1	19950316	DE 1993-4331228	19930915
	WO 9507742	A1	19950323	WO 1994-EP2966	19940906
	W: FI, JP, NO, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 719167	A1	19960703	EP 1994-927567	19940906
	EP 719167	B1	19970528		
	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 09505767	T2	19970610	JP 1994-508955	19940906
	AT 153548	E	19970615	AT 1994-927567	19940906
	ES 2103135	T3	19970816	ES 1994-927567	19940906
	NO 9600114	A	19960110	NO 1996-114	19960110
	FI 9601206	A	19960314	FI 1996-1206	19960314
	US 5710207	A	19980120	US 1996-615235	19960410
PRAI	DE 1993-4331228	A	19930915		
	WO 1994-EP2966	W	19940906		

L5 ANSWER 24 OF 51 CA COPYRIGHT 2005 ACS on STN
 AN 117:166675 CA
 TI Immobilization of lipolytic **enzyme** on lipid-coated
 carriers for esterification and interesterification
 IN Yokomichi, Hideki; Yasumasu, Takeshi; Nakamura, Kazuhiro; Kawahara,
 Yoshiharu
 PA Kao Corp., Japan
 SO U.S., 14 pp. Cont. of U.S. Ser. No. 276,374, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5128251	A	19920707	US 1991-685158	19910412
	JP 01153090	A2	19890615	JP 1987-311549	19871209
	JP 07010231	B4	19950208		
	JP 01153097	A2	19890615	JP 1987-311551	19871209
	JP 06065312	B4	19940824		
	JP 01174384	A2	19890710	JP 1987-335854	19871228
	JP 07012310	B4	19950215		
PRAI	JP 1987-311549	A	19871209		
	JP 1987-311551	A	19871209		
	JP 1988-311550	A	19871209		
	JP 1987-335854	A	19871228		
	US 1988-276374	B1	19881123		

=>

538 OVERSPRAY?

L12 19 (HYDROXY? OR POLYHYDROXY?) (3W) FATTY(W) ACID(P) (SALT# OR COBALT
OR CO OR NICKEL OR NI OR COPPER OR CU OR ZINC OR ZN OR
LANTHAN?)
(P) (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?)

=> d 1-19 112 ti

L12 ANSWER 1 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Encapsulated active ingredient for use in odor-free granular detergents
and cleaning compositions

L12 ANSWER 2 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Solid lubricant for metal tube hydro-forming and its use

L12 ANSWER 3 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Color developer dispersion and sheet for pressure-sensitive copying paper

L12 ANSWER 4 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Polyolefin-based insulator composition for electric cables

L12 ANSWER 5 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Synthesis, characterization, and application of lesquerella oil product
in
water-reducible coatings

L12 ANSWER 6 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Self-curable fluoropolymer aqueous coatings

L12 ANSWER 7 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Antifouling agents containing polyamine metal complexes

L12 ANSWER 8 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Thermal recording paper with heat-sensitive layer containing higher
hydroxy fatty acids

L12 ANSWER 9 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Fluorine-containing copolymer

L12 ANSWER 10 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Aqueous coating compositions

L12 ANSWER 11 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Air-drying high-solids coating compositions containing vinyloxazoline
esters as reactive diluents

L12 ANSWER 12 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Thermal recording material

L12 ANSWER 13 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Lubricant finishes for synthetic fibers

L12 ANSWER 14 OF 19 CA COPYRIGHT 2005 ACS on STN

TI Coating concrete with latex polymers

L12 ANSWER 15 OF 19 CA COPYRIGHT 2005 ACS on STN

TI PVC films for protecting soils

L12 ANSWER 16 OF 19 CA COPYRIGHT 2005 ACS on STN
TI Reaction products useful for electrophoretic coating

L12 ANSWER 17 OF 19 CA COPYRIGHT 2005 ACS on STN
TI Polyol-polyisocyanate condensation products

L12 ANSWER 18 OF 19 CA COPYRIGHT 2005 ACS on STN
TI Products resistant to alcohols

L12 ANSWER 19 OF 19 CA COPYRIGHT 2005 ACS on STN
TI Insecticide

=>

21086 CLAD

L13 3 (HYDROXY? OR POLYHYDROXY?) (3W) FATTY (W) ACID (P) (SALT# OR COBALT
OR CO OR NICKEL OR NI OR COPPER OR CU OR ZINC OR ZN OR
LANTHAN?)
(P) (OUTER OR COVERING OR ENVELOPE OR SHELL OR CLAD)

=> d 1-2 113 ti

L13 ANSWER 1 OF 3 CA COPYRIGHT 2005 ACS on STN

TI Lubricating grease composition for roller bearing and its direct dynamic
devices

L13 ANSWER 2 OF 3 CA COPYRIGHT 2005 ACS on STN

TI Additives for reducing bearing noise in high pour-point lithium complex
lubricating greases

=> d 3 113 ti

L13 ANSWER 3 OF 3 CA COPYRIGHT 2005 ACS on STN

TI High dropping-point lithium-complex grease composition having improved
extreme pressure properties

=>

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	188	raehse-wilfried.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:04
L2	8	baur-dieter.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:05
L3	42	pichler-werner.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:18
L4	3	(detergent or detersive or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) same (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (hydroxy\$6 or polyhydroxy\$\$) near6 fatty adj1 acid near8 (salt or cobalt or co or nickel or ni or copper or cu or zinc or zn or lanthan\$4 or polyvalent or trivalent)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:33
L5	14	(detergent or detersive or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) and (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (hydroxy\$6 or polyhydroxy\$\$) near6 fatty adj1 acid near8 (salt or cobalt or co or nickel or ni or copper or cu or zinc or zn or lanthan\$4 or polyvalent or trivalent)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:34
L6	90	(detergent or detersive or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) same (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (hydroxy\$6 or polyhydroxy\$\$) near6 fatty adj1 acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:46

L7	137	(detergent or deterative or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) same (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (ricinoleic or recinoleic or hydroxyoleic or hydroxystearic or hydroxypalmitic or hydroxylauric or hydroxy\$6 near6 fatty)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 15:37
L8	3118	(detergent or deterative or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) and (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (ricinoleic or recinoleic or hydroxyoleic or hydroxystearic or hydroxypalmitic or hydroxylauric or hydroxy\$6 near6 fatty or hydroxyfatty or polyhydroxy\$6 or multihydroxy\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 15:39
L9	263	(detergent or deterative or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) and (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (ricinoleic or recinoleic or hydroxyoleic or hydroxystearic or hydroxypalmitic or hydroxylauric or hydroxy\$6 near6 fatty or hydroxyfatty or polyhydroxy\$6 or multihydroxy\$6) near10 (salt or polyvalent or multivalent or cobalt or co or nickel or ni or copper or co or zinc or zn or lanthan\$6 or transition adj1 metal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 15:47

L10	11	"510"/\$.ccls. and (detergent or deterative or tenside or enzym\$4 or protease or cellulase or lipase or amylase or laccase or cutanase or endogluconase or bleach\$3 or percarbonate or perborate or dye or perfum\$3 or brighten\$3 or tinopal or activator or catalyst or photobleach\$4) and (coat\$3 or encapsulat\$4 or microencapsulat\$4 or spray\$3 or overspray\$3 or shell or clad or outer or surround\$3) same (ricinoleic or recinoleic or hydroxyoleic or hydroxystearic or hydroxypalmitic or hydroxylauric or hydroxy\$6 near6 fatty or hydroxyfatty or polyhydroxy\$6 or multihydroxy\$6) near10 (salt or polyvalent or multivalent or cobalt or co or nickel or ni or copper or co or zinc or zn or lanthan\$6 or transition adj1 metal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/09 15:48
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	U	1	Document ID	Issue Date	Pages	Title
1			US 20040198629 A1	20041007	9	Encapsulated active ingredient preparation for use in particulate detergents and cleaning agents
2			WO 3020868 A1	20030313	31	ENCAPSULATED ACTIVE INGREDIENT PREPARATION FOR USE IN PARTICULATE DETERGENTS AND CLEANING AGENTS
3			WO 2003020868 A	20030313	9	Granulate for incorporation in particulate laundry or other detergent, e.g. enzyme or bleach activator granulate, has coating containing polyvalent metal salt of long-chain hydroxy-fatty acid, especially zinc ricinoleate

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3
1	510/447			Raehse, Wilfried et al.	X				
2				RAEHSE, WILFRIED et al.	X				
3				BAUR, D et al.	X				